



**Western - Alfalfa (Irrigated)**

**2015**

**Estimated Production Costs & Returns**

**GROSS RECEIPTS FROM PRODUCTION**

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER TON	YOUR FARM
Alfalfa Hay	tons	\$180.00	4.1	\$738	\$3.00	
<b>Total Receipts</b>				<b>\$738</b>		<b>\$0</b>

**DIRECT COSTS**

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER TON	YOUR FARM
<b>OPERATING PREHARVEST</b>						
Establishment (5-year allocation)	acre	0.00	1	75.70	18.46	
<b>Tillage</b>						
Furrow	acre	12.00	1	12.00	2.93	
<b>Fertilizer</b>						
Custom Application	lbs	0.31	200	62.50	15.24	
Herbicide	acre	8.00	1	8.00	1.95	
<b>Lorsban</b>						
Application	pint	6.88	1	6.88	1.68	
Spot Spray (Roundup)	dollars	7.00	1	7.00	1.71	
<b>Irrigation</b>						
Water Assessment (surface)	acre	12.00	0.70	17.14	4.18	
Labor (5 irrigations)	dollars	9.00	1	9.00	2.20	
Crop Insurance (NAP)	dollars	30.00	1	30.00	7.32	
Fuel	dollars	6.00	1	6.00	1.46	
Repairs & Maintenance	dollars	0.00	1	0.00	0.00	
Interest (6 months @ 6.0%)	dollars	0.00	1	0.00	0.00	
<b>Total Pre-Harvest Expenses</b>				<b>\$161.26</b>	<b>\$39.33</b>	<b>\$0.00</b>
<b>HARVEST COSTS</b>						
Swath (4 cuttings)	acre	20.00	4	80.00	19.51	
Rake (4th cutting)	acre	8.00	1	8.00	1.95	
Bale (3x4 large bales)	acre	10.00	4.1	41.00	10.00	
Hauling	bale	3.75	4.1	15.38	3.75	
<b>Total Harvest Costs</b>				<b>\$144.38</b>	<b>\$35.21</b>	<b>\$0.00</b>
<b>Total Operating Costs</b>				<b>\$305.63</b>	<b>\$74.54</b>	<b>\$0.00</b>
<b>PROPERTY &amp; OWNERSHIP COSTS</b>						
General Farm Overhead	dollars	70.00	1	70.00	17.07	
Depreciation	dollars	20.00	1	20.00	4.88	
Real Estate Taxes	dollars	28.73	1	28.73	7.01	
<b>Total Property &amp; Ownership Costs</b>				<b>\$118.73</b>	<b>\$28.96</b>	<b>\$0.00</b>
<b>TOTAL DIRECT COSTS</b>				<b>\$424.36</b>	<b>\$103.50</b>	<b>\$0.00</b>
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>\$313.64</b>	<b>\$76.50</b>	<b>\$0.00</b>
<b>FACTOR PAYMENTS</b>						
Land (\$5,000 @ 4%)				200.00	48.78	
<b>RETURN TO MANAGEMENT &amp; RISK</b>				<b>\$113.64</b>	<b>\$27.72</b>	<b>\$0.00</b>

**BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)**

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/ton)				
		-25%	-10%	10%	25%	
		\$135.00	\$162.00	\$180.00	\$198.00	\$225.00
-25%	3.1	(\$9.24)	\$73.79	\$129.14	\$184.49	\$267.51
-10%	3.7	\$73.79	\$173.42	\$239.84	\$306.26	\$405.89
4.1	4.1	\$129.14	\$239.84	\$313.64	\$387.44	\$498.14
10%	4.5	\$184.49	\$306.26	\$387.44	\$468.62	\$590.39
25%	5.1	\$267.51	\$405.89	\$498.14	\$590.39	\$728.76